

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q83342

Mitsuru SAKAI, *et al.*

National Stage Application of  
PCT/JP03/03521  
-filed March 24, 2003

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: September 24, 2004

Examiner: Not Yet Assigned

For: METHOD FOR ASSAYING COENZYME A MOLECULES IN BIOLOGICAL  
SAMPLES

**SUBMISSION OF INTERNATIONAL SEARCH REPORT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is a copy of the International Search Report received in the International Application corresponding to the above U.S. Application and a PTO/SB/08 A&B (modified) listing the references cited in the Report. Upon issuing the Report, the International Bureau should send a copy of the Report and the cited references to the United States Patent and Trademark Office. However, if the Examiner would like us to obtain and file copies of the references with the USPTO, please contact the office of the undersigned attorney. The Examiner is respectfully requested to acknowledge receipt of the International Search Report.

It is believed that EP 2205517 is listed erroneously on the International Search Report; the correct cite is EP 1105517

Submission of International Search Report  
National Stage Application of  
PCT/JP03/03521  
-filed March 24, 2003

Q83342

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

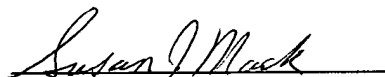
Respectfully submitted,

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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

  
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Date: September 24, 2004

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/03521

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G01N30/88, G01N30/72, G01N30/04, G01N27/62

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G01N30/88, G01N30/72, G01N30/04, G01N27/62

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CA (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y/A	BUCHHOLZ et al., "Quantitation of Intracellular Metabolites in Escherichia coli K12 Using Liquid Chromatographic-Electrospray Ionization Tandem Mass Spectrometric Techniques", Analytical Biochemistry, Vol.295, (2001), pages 129 to 137	1, 2, 6-8/3-5
Y/A	WO 00/11208 A (UNIVERSITY OF WASHINGTON), 02 March, 2000 (02.03.00), Page 8, line 19 to page 9, line 17 & EP 2205517 A & JP 2002-523058 A	1, 2, 6-8/3-5

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
28 May, 2003 (28.05.03)

Date of mailing of the international search report  
17 June, 2003 (17.06.03)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer